

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB Amended 2015 Army										<b>Date:</b> June 2014		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition							<b>P-1 Line Item Number / Title:</b> ER8120 / CTG, 30MM, ALL TYPES					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :			<b>Program Elements for Code B Items:</b>					<b>Other Related Program Elements:</b>				
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015 Base</b>	<b>FY 2015 OCO</b>	<b>FY 2015 Total</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	1,002.104	97.472	110.033	52.667	35.000	87.667	51.471	52.225	51.731	53.267	-	1,505.970
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	1,002.104	97.472	110.033	52.667	35.000	87.667	51.471	52.225	51.731	53.267	-	1,505.970
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>1,002.104</b>	<b>97.472</b>	<b>110.033</b>	<b>52.667</b>	<b>35.000</b>	<b>87.667</b>	<b>51.471</b>	<b>52.225</b>	<b>51.731</b>	<b>53.267</b>	<b>-</b>	<b>1,505.970</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<p><b>Description:</b> This budget line includes 30MM ALL TYPES:</p> <p>(E06000) The 30mm M848 is an inert training device. It physically mimics the M788 and M789 cartridges. It is used for training of proper handling and loading of ammunition and for non-firing system training and checkout of the 30mm M230 weapon prior to exposing soldiers to live ammunition. This item is Code A, approved for service use.</p> <p>(E09900) The 30mm M789 Lightweight High Explosive - Dual Purpose Cartridge is the only qualified combat cartridge for use in the Apache Helicopter's M230 Chain Gun. It is also used by SOCOM, fired from the MH-60 Blackhawk helicopter. The M789 cartridge consists of a projectile containing explosive, a shaped charge liner, a M759 point-detonating fuze, aluminum cartridge case, propellant and a PA520 electric primer. The shaped charge allows the M789 to defeat light armor, and the steel projectile body provides an anti-personnel capability. M789 cartridges are packed in Bulk Ammunition Strips (BAS), 110 cartridges per M592 container. This item is Code A, approved for service use</p> <p>(E10100) The 30MM M788 Lightweight 30mm Target Practice cartridge is the only qualified training cartridge for use in the Apache and Blackhawk Helicopter's M230 Chain Gun. The M788 consists of an inert projectile, propellant utilizes a PA520 electric primer and a lightweight aluminum cartridge case. M788 cartridges are packed in Bulk Ammunition Strips (BAS), 110 cartridges per M592 container. This item is Code A, approved for service use.</p> <p>(E06100) The 30mm HPT M883 is a High Pressure Test round used exclusively for acceptance testing of 30mm barrels. One M883 is fired as a "proof" round on each new barrel. If the barrel does not rupture it is considered good for fielding. This item is Code A, approved for service use.</p>												

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB Amended 2015 Army																<b>Date:</b> June 2014				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 30: Small/ Medium Cal Ammunition											<b>P-1 Line Item Number / Title:</b> ER8120 / CTG, 30MM, ALL TYPES									
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :						<b>Program Elements for Code B Items:</b>						<b>Other Related Program Elements:</b>								
<b>Exhibits Schedule</b>		<b>ID CD</b>	<b>Prior Years</b>			<b>FY 2013</b>			<b>FY 2014</b>			<b>FY 2015 Base</b>			<b>FY 2015 OCO</b>			<b>FY 2015 Total</b>		
<b>Title*</b>	<b>Exhibits</b>		<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>
Item - E06000 / CTG 30MM DUMMY M848	P-40a***	A	22.59	118,000	2.666	-	-	-	25.40	78,739	2.000	-	-	-	-	-	-	-	-	-
Item - E06100 / CTG 30MM HPT M883	P-40a***	A	78.90	21,000	1.657	-	-	-	112.79	35,463	4.000	-	-	-	-	-	-	-	-	-
Item - E09900 / CTG 30MM HEDP M789	P-5, P-5a, P-21	A	65.53	10,909,000	714.857	74.71	1,034,803	77.314	157.55	456,604	71.939	113.00	271,248	30.652	100.92	346,809	35.000	106.22	618,057	65.652
Item - E10100 / CTG 30MM TP M788	P-5, P-5a, P-21	A	14.27	19,832,000	282.924	21.26	948,372	20.158	36.49	879,415	32.094	23.68	929,583	22.015	-	-	-	23.68	929,583	22.015
<b>Total Gross/Weapon System Cost</b>			-	-	<b>1,002.104</b>	-	-	<b>97.472</b>	-	-	<b>110.033</b>	-	-	<b>52.667</b>	-	-	<b>35.000</b>	-	-	<b>87.667</b>
*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.																				
*For Items, Title represents the Item Number / Title [DODIC].																				
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.																				
<p><b>Justification:</b></p> <p>FY 2015 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements IAW DoD Instruction 3000.04 (Munitions Requirements Process) and AR 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support OSD-approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.</p> <p>FY 2015 OCO request supports procurement of critical Army munitions consumed in support of deployed units' ongoing military operations.</p> <p>In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.</p> <p>(E06000) CTG 30MM DUMMY M848 - This is a training unique item not used in combat. The procurement builds a depot level in accordance with the Army's procurement goals.</p> <p>(E06100) CTG 30MM HPT M883 - This is a High Pressure Test round used exclusively for acceptance of 30mm barrels. The procurement builds a depot level in accordance with the Army's procurement goals.</p> <p>(E09900) CTG 30mm HEDP M789 Base - This is a training standard item used in both training and combat. The FY 2015 request supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2015 base procurement dollars in the amount of \$30.652 million supports the procurement of .271 million M789 cartridges. FY 2015 OCO procurement dollars in the amount of \$35.000 million supports the procurement of .347 million M789 cartridges. All for OEF; Army has designated ammunition for war and operations requirements. Ammo used in OCO is taken from this warfighting inventory. Army needs OCO funding to reset this expenditure from the munitions War Reserve. Reset is essential to future readiness.</p> <p>(E10100) CTG 30mm TP M788 - This is a training unique item not used in combat. The FY 2015 request supports annual training and builds a depot level in accordance with the Army's procurement goals. FY 2015 procurement dollars in the amount of \$22.015 million supports the procurement of .930 million M788 cartridges.</p>																				

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Exhibit P-5, Cost Analysis: PB Amended 2015 Army										Date: June 2014								
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 30					P-1 Line Item Number / Title: ER8120 / CTG, 30MM, ALL TYPES					Item Number / Title [DODIC]: E09900 / CTG 30MM HEDP M789								
ID Code (A=Service Ready, B=Not Service Ready) : A										MDAP/MAIS Code:								
Resource Summary				Prior Years <sup>(+)</sup>		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total				
Procurement Quantity ( <i>Units in Each</i> )				10,909,000		1,034,803		456,604		271,248		346,809		618,057				
Gross/Weapon System Cost ( <i>\$ in Millions</i> )				714.857		77.314		71.939		30.652		35.000		65.652				
Less PY Advance Procurement ( <i>\$ in Millions</i> )				-		-		-		-		-		-				
Net Procurement (P1) ( <i>\$ in Millions</i> )				714.857		77.314		71.939		30.652		35.000		65.652				
Plus CY Advance Procurement ( <i>\$ in Millions</i> )				-		-		-		-		-		-				
Total Obligation Authority ( <i>\$ in Millions</i> )				714.857		77.314		71.939		30.652		35.000		65.652				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares ( <i>\$ in Millions</i> )				-		-		-		-		-		-				
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )				65.53		74.71		157.55		113.00		100.92		106.22				
Budget Years Cost values do not sum to the represented total intentionally: (+) Prior Years Cost Delta: 714.857 million																		
Cost Elements	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
COMPLETE ROUND <sup>(†)</sup>	-	-	-	68.93	1,034,803	71.329	140.78	456,604	64.281	100.92	271,248	27.374	100.92	346,809	35.000	100.92	618,057	62.374
Subtotal: Recurring Cost	-	-	-	-	-	71.329	-	-	64.281	-	-	27.374	-	-	35.000	-	-	62.374
Subtotal: Hardware Cost	-	-	-	-	-	71.329	-	-	64.281	-	-	27.374	-	-	35.000	-	-	62.374
Support Cost																		
PRODUCTION ENGINEERING	-	-	-	-	-	2.673	-	-	2.436	-	-	2.770	-	-	-	-	-	2.770
QUALITY ASSURANCE	-	-	-	-	-	0.026	-	-	0.022	-	-	0.008	-	-	-	-	-	0.008
NON-RECURRING ENGINEERING	-	-	-	-	-	3.286	-	-	5.200	-	-	0.500	-	-	-	-	-	0.500
Subtotal: Support Cost	-	-	-	-	-	5.985	-	-	7.658	-	-	3.278	-	-	-	-	-	3.278
Gross/Weapon System Cost	65.53	10,909,000	714.857	74.71	1,034,803	77.314	157.55	456,604	71.939	113.00	271,248	30.652	100.92	346,809	35.000	106.22	618,057	65.652
(†) indicates the presence of a P-5a																		

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB Amended 2015 Army									<b>Date:</b> June 2014			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30				<b>P-1 Line Item Number / Title:</b> ER8120 / CTG, 30MM, ALL TYPES					<b>Item Number / Title [DODIC]:</b> E09900 / CTG 30MM HEDP M789			
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND <sup>(†)</sup>		2013	ALLIANT TECHSYSTEMS INC. / PLYMOUTH, MN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2013	Mar 2014	1,034,803	68.93	Y		
COMPLETE ROUND <sup>(†)</sup>		2014	TO BE SELECTED / TBS02	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2014	Mar 2015	228,302	140.78	Y		
COMPLETE ROUND <sup>(†)</sup>		2014	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2014	Mar 2015	228,302	140.78	Y		
COMPLETE ROUND <sup>(†)</sup>		2015	TO BE SELECTED / TBS02	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2015	Mar 2016	309,029	100.92	Y		
COMPLETE ROUND <sup>(†)</sup>		2015	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2015	Mar 2016	309,028	100.92	Y		

<sup>(†)</sup> indicates the presence of a P-21

**Remarks:**

This item is part of a combined 20mm, 25mm, 30mm contract FY 2013 - FY 2017. Quantity split is determined in year of execution between two contractors: General Dynamics Ordnance and Tactical Systems, Marion IL and Alliant Techsystems Operations, Plymouth MN. This is a training standard item used in training and combat. FY 2015 procurement supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. Type Classification Date: 1962

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Exhibit P-21, Production Schedule: PB Amended 2015 Army																							Date: June 2014										
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 30										P-1 Line Item Number / Title: ER8120 / CTG, 30MM, ALL TYPES													Item Number / Title [DODIC]: E09900 / CTG 30MM HEDP M789										
Cost Elements (Units in Millions (* = < 500 units))							Fiscal Year 2013													Fiscal Year 2014													
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2012	BAL DUE AS OF 1 OCT	Calendar Year 2013													Calendar Year 2014													B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
COMPLETE ROUND																																	
	1	2013	ARMY	1.035	-	1.035						-	-	-	-	-	-	-	-	-	-	-	-	-	.086	.086	.086	.086	.086	.086	.086	.431	
	2	2014	ARMY	.228	-	.228																		-	-	-	-	-	-	-	.228		
	2	2015	ARMY	.309	-	.309																									.309		
	3	2014	ARMY	.228	-	.228																		-	-	-	-	-	-	-	.228		
	3	2015	ARMY	.309	-	.309																									.309		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		

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Exhibit P-21, Production Schedule: PB Amended 2015 Army																				Date: June 2014													
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 30										P-1 Line Item Number / Title: ER8120 / CTG, 30MM, ALL TYPES										Item Number / Title [DODIC]: E09900 / CTG 30MM HEDP M789													
Cost Elements (Units in Millions (* = < 500 units))							Fiscal Year 2015										Fiscal Year 2016																
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015										Calendar Year 2016										B A L						
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U N	J U L	A U G	S E P		
COMPLETE ROUND																																	
	1	2013	ARMY	1.035	.604	.431	.086	.086	.086	.086	.086																					-	
	2	2014	ARMY	.228	-	.228	-	-	-	-	-	.030	.021	.018	.018	.018	.018	.018	.018	.018	.018	.018										-	
	2	2015	ARMY	.309	-	.309						-	-	-	-	-	-	-	-	-	-	-	.026	.026	.026	.026	.026	.026	.026	.026		.129	
	3	2014	ARMY	.228	-	.228	-	-	-	-	-	.033	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018										-	
	3	2015	ARMY	.309	-	.309						-	-	-	-	-	-	-	-	-	-	-	.026	.026	.026	.026	.026	.026	.026	.026		.129	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		

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Exhibit P-21, Production Schedule: PB Amended 2015 Army																				Date: June 2014												
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 30										P-1 Line Item Number / Title: ER8120 / CTG, 30MM, ALL TYPES										Item Number / Title [DODIC]: E09900 / CTG 30MM HEDP M789												
Cost Elements (Units in Millions (* = < 500 units))							Fiscal Year 2017										Fiscal Year 2018															
O C C O	M F R #	F Y	S E R V I C E	P R O C Q T Y	A C C E P T P R I O R T O 1 O C T 2 0 1 6	B A L D U E A S O F 1 O C T	Calendar Year 2017										Calendar Year 2018															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	
COMPLETE ROUND																																
	1	2013	ARMY	1.035	1.035	-																										-
	2	2014	ARMY	.228	.228	-																										-
	2	2015	ARMY	.309	.180	.129	.026	.026	.026	.026	.026																				-	
	3	2014	ARMY	.228	.228	-																										-
	3	2015	ARMY	.309	.180	.129	.026	.026	.026	.026	.026	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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<b>Exhibit P-21, Production Schedule:</b> PB Amended 2015 Army								<b>Date:</b> June 2014			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30				<b>P-1 Line Item Number / Title:</b> ER8120 / CTG, 30MM, ALL TYPES				<b>Item Number / Title [DODIC]:</b> E09900 / CTG 30MM HEDP M789			

MFR Ref #		Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2015	1-8-5 For 2015	MAX For 2015	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	ALLIANT TECHSYSTEMS INC. - PLYMOUTH, MN	.020	.085	.150	6	6	12	18	6	6	12	18
2	TO BE SELECTED - TBS02	.020	.030	.050	6	6	12	18	6	6	12	18
3	TO BE SELECTED - TBS01	.020	.085	.150	6	6	12	18	6	6	12	18

The first non-gray cell in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).



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Exhibit P-5, Cost Analysis: PB Amended 2015 Army											Date: June 2014							
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 30						P-1 Line Item Number / Title: ER8120 / CTG, 30MM, ALL TYPES						Item Number / Title [DODIC]: E10100 / CTG 30MM TP M788						
ID Code (A=Service Ready, B=Not Service Ready) : A									MDAP/MAIS Code:									
Resource Summary				Prior Years <sup>(+)</sup>		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total				
Procurement Quantity ( <i>Units in Each</i> )				19,832,000		948,372		879,415		929,583		-		929,583				
Gross/Weapon System Cost ( <i>\$ in Millions</i> )				282.924		20.158		32.094		22.015		-		22.015				
Less PY Advance Procurement ( <i>\$ in Millions</i> )				-		-		-		-		-		-				
Net Procurement (P1) ( <i>\$ in Millions</i> )				282.924		20.158		32.094		22.015		-		22.015				
Plus CY Advance Procurement ( <i>\$ in Millions</i> )				-		-		-		-		-		-				
Total Obligation Authority ( <i>\$ in Millions</i> )				282.924		20.158		32.094		22.015		-		22.015				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares ( <i>\$ in Millions</i> )				-		-		-		-		-		-				
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )				14.27		21.26		36.49		23.68		-		23.68				
Budget Years Cost values do not sum to the represented total intentionally: (+) Prior Years Cost Delta: 282.924 million																		
Cost Elements	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
COMPLETE ROUND <sup>(†)</sup>	-	-	-	17.52	948,372	16.615	31.54	879,416	27.737	20.85	929,584	19.382	-	-	-	20.85	929,584	19.382
Subtotal: Recurring Cost	-	-	-	-	-	16.615	-	-	27.737	-	-	19.382	-	-	-	-	-	19.382
Subtotal: Hardware Cost	-	-	-	-	-	16.615	-	-	27.737	-	-	19.382	-	-	-	-	-	19.382
Support Cost																		
PRODUCTION ENGINEERING	-	-	-	-	-	2.354	-	-	1.967	-	-	1.626	-	-	-	-	-	1.626
QUALITY ASSURANCE	-	-	-	-	-	0.016	-	-	0.017	-	-	0.007	-	-	-	-	-	0.007
FIRST ARTICLE TEST	-	-	-	-	-	-	-	-	0.373	-	-	-	-	-	-	-	-	-
FLASH TUBE SAFETY IMPROVEMENT	-	-	-	-	-	-	-	-	2.000	-	-	-	-	-	-	-	-	-
M230 TEST GUN & MANN BARREL EFFORT	-	-	-	-	-	-	-	-	-	-	-	1.000	-	-	-	-	-	1.000
NON-RECURRING ENGINEERING	-	-	-	-	-	1.173	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support Cost	-	-	-	-	-	3.543	-	-	4.357	-	-	2.633	-	-	-	-	-	2.633
Gross/Weapon System Cost	14.27	19,832,000	282.924	21.26	948,372	20.158	36.49	879,415	32.094	23.68	929,583	22.015	-	-	-	23.68	929,583	22.015
(†) indicates the presence of a P-5a																		

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB Amended 2015 Army									<b>Date:</b> June 2014			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 30				<b>P-1 Line Item Number / Title:</b> ER8120 / CTG, 30MM, ALL TYPES					<b>Item Number / Title [DODIC]:</b> E10100 / CTG 30MM TP M788			
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND <sup>(†)</sup>		2013	GENERAL DYNAMICS ORD & TAC / MARION, IL	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2013	Jan 2014	569,023	17.52	Y		
COMPLETE ROUND <sup>(†)</sup>		2013	ALLIANT TECHSYSTEMS INC. / PLYMOUTH, MN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2013	Feb 2014	379,349	17.52	Y		
COMPLETE ROUND <sup>(†)</sup>		2014	TO BE SELECTED / TBS02	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2014	Mar 2015	439,708	31.54	Y		
COMPLETE ROUND <sup>(†)</sup>		2014	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2014	Mar 2015	439,708	31.54	Y		
COMPLETE ROUND <sup>(†)</sup>		2015	TO BE SELECTED / TBS02	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2015	Mar 2016	464,792	20.85	Y		
COMPLETE ROUND <sup>(†)</sup>		2015	TO BE SELECTED / TBS01	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2015	Mar 2016	464,792	20.85	Y		

<sup>(†)</sup> indicates the presence of a P-21

**Remarks:**

This item is part of a combined 20mm, 25mm, 30mm contract FY 2013 - FY 2017. Quantity split is determined in year of execution between two contractors: General Dynamics Ordnance and Tactical Systems, Marion IL and Alliant Techsystems Operations, Plymouth MN. This is a training unique item not used in combat. FY 2015 procurement supports annual training and builds a depot level in accordance with the Army's procurement goals. Type Classification Date: 1982

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Exhibit P-21, Production Schedule: PB Amended 2015 Army																				Date: June 2014												
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 30							P-1 Line Item Number / Title: ER8120 / CTG, 30MM, ALL TYPES													Item Number / Title [DODIC]: E10100 / CTG 30MM TP M788												
Cost Elements (Units in Millions (* = < 500 units))							Fiscal Year 2013										Fiscal Year 2014															
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2012	BAL DUE AS OF 1 OCT	Calendar Year 2013										Calendar Year 2014										B A L					
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U N	J U L	A U G	S E P	
COMPLETE ROUND																																
	1	2013	ARMY	.569	-	.569						-	-	-	-	-	-	-	-	-	-	.069	.100	.100	.100	.100	.100					-
	2	2013	ARMY	.379	-	.379						-	-	-	-	-	-	-	-	-	-	.079	.100	.100	.100						-	
	3	2014	ARMY	.440	-	.440																		-	-	-	-	-	-	-		.440
	3	2015	ARMY	.465	-	.465																										.465
	4	2014	ARMY	.440	-	.440																										.440
	4	2015	ARMY	.465	-	.465																										.465
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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Exhibit P-21, Production Schedule: PB Amended 2015 Army																				Date: June 2014													
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 30										P-1 Line Item Number / Title: ER8120 / CTG, 30MM, ALL TYPES										Item Number / Title [DODIC]: E10100 / CTG 30MM TP M788													
Cost Elements (Units in Millions (* = < 500 units))							Fiscal Year 2015													Fiscal Year 2016													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015													Calendar Year 2016													B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
COMPLETE ROUND																																	
	1	2013	ARMY	.569	.569	-																											-
	2	2013	ARMY	.379	.379	-																											-
	3	2014	ARMY	.440	-	.440	-	-	-	-	-	.037	.037	.037	.037	.037	.037	.037	.037	.037	.037	.037											-
	3	2015	ARMY	.465	-	.465						-	-	-	-	-	-	-	-	-	-	-	.039	.039	.039	.039	.039	.039	.039	.189			
	4	2014	ARMY	.440	-	.440	-	-	-	-	-	.037	.037	.037	.037	.037	.037	.037	.037	.037	.037	.037											-
	4	2015	ARMY	.465	-	.465						-	-	-	-	-	-	-	-	-	-	-	.039	.039	.039	.039	.039	.039	.039	.189			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		

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Exhibit P-21, Production Schedule: PB Amended 2015 Army																							Date: June 2014													
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 30										P-1 Line Item Number / Title: ER8120 / CTG, 30MM, ALL TYPES													Item Number / Title [DODIC]: E10100 / CTG 30MM TP M788													
Cost Elements (Units in Millions (* = < 500 units))							Fiscal Year 2017												Fiscal Year 2018																	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	Calendar Year 2017												Calendar Year 2018												B A L					
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						
COMPLETE ROUND																																				
	1	2013	ARMY	.569	.569	-																										-				
	2	2013	ARMY	.379	.379	-																										-				
	3	2014	ARMY	.440	.440	-																										-				
	3	2015	ARMY	.465	.276	.189	.039	.039	.039	.039	.032																						-			
	4	2014	ARMY	.440	.440	-																										-				
	4	2015	ARMY	.465	.276	.189	.039	.039	.039	.039	.032	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

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Exhibit P-21, Production Schedule: PB Amended 2015 Army									Date: June 2014			
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 30					P-1 Line Item Number / Title: ER8120 / CTG, 30MM, ALL TYPES				Item Number / Title [DODIC]: E10100 / CTG 30MM TP M788			
		Production Rates (Each / Year)			Procurement Leadtime (Months)							
MFR Ref #	MFR Name - Location	MSR For 2015	1-8-5 For 2015	MAX For 2015	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	GENERAL DYNAMICS ORD & TAC - MARION, IL	.030	.120	.200	6	6	12	18	6	6	12	18
2	ALLIANT TECHSYSTEMS INC. - PLYMOUTH, MN	.030	.120	.200	6	6	12	18	6	6	12	18
3	TO BE SELECTED - TBS02	.030	.120	.200	6	6	12	18	6	6	12	18
4	TO BE SELECTED - TBS01	.030	.120	.200	6	6	12	18	6	6	12	18

The first non-gray cell in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).